

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

*3410
D1*

C1

1. (Currently amended) A motor, comprising:
a rotor and a stator disposed within a motor housing;
a rotatable shaft at least partially disposed within the motor housing;
a plurality of wear surfaces that support the rotatable shaft;
an internal lubricant pump disposed within the motor housing, the internal lubricant pump extending around the entire circumference of the shaft and circumferentially about the shaft, and
a conduit for conducting the lubricant from the lubricant pump to the plurality of wear surfaces.
2. (Original) The motor as recited in claim 1, wherein the lubricant comprises an oil.
3. (Original) The motor as recited in claim 2, wherein the conduit is disposed in the rotatable shaft.
4. (Original) The motor as recited in claim 1, wherein the lubricant pump comprises:
a pump body having an eccentric oil cavity, and a pump rotor disposed in the eccentric oil cavity.
5. (Original) The motor as recited in claim 4, wherein the lubricant pump further comprises a plurality of blades slidably mounted to the pump rotor.
6. (Original) The motor as recited in claim 1, wherein the lubricant pump comprises an inner gear and an outer gear to provide a pumping action.
7. (Original) The motor as recited in claim 3, wherein the lubricant pump is disposed generally at an axial end of the outer housing.

D

8. (Original) The motor as recited in claim 1, wherein the lubricant pump comprises an impeller.

C

9. (Previously presented) A submersible pumping system, comprising:
a submersible pump;
a motor protector; and
a submersible motor having a gear pump to supply a pressurized lubricant to a bearing within the submersible motor, wherein the gear pump comprises first and second gears adapted to pressurize the lubricant.

10. (Previously presented) The submersible pumping system as recited in claim 9, further comprising a conduit extending from the gear pump to the desired location.

C

11. (Original) The submersible pumping system as recited in claim 10, wherein the submersible motor comprises a rotatable shaft and the conduit is disposed at least partially within the shaft.

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Previously presented) The submersible pumping system as recited in claim 9, wherein the pressurized lubricant comprises a dielectric oil.

18. (Currently amended) A submersible motor, comprising:
an outer housing;
a rotatable shaft;
a stator disposed within the outer housing;

a rotor rotatably mounted within the stator;
a lubrication system to distribute a lubricant to one or more desired locations within the outer housing; and

a gear pump comprising a pump body having an eccentric oil cavity, and a pump rotor disposed in the eccentric oil cavity, the gear pump being internal to the outer housing and external to the shaft, the gear pump adapted to pressurize the lubricant within the lubrication system.

D 19. (Original) The submersible motor as recited in claim 18, wherein the rotor is mounted on the shaft.

C 20. (Original) The submersible motor as recited in claim 19, wherein the lubrication system extends at least partially through the shaft.

21. (Original) The submersible motor as recited in claim 20, wherein the pump directs the lubricant along a pump flow path to an inlet formed on the shaft.

22. (Canceled)

23. (Currently amended) The submersible motor as recited in claim 18 22, wherein the lubricant pump comprises an inner gear and an outer gear to provide a pumping action.

24. (Currently amended) A method for increasing the life expectancy of a subterranean completion having a submersible motor, comprising:

combining the submersible motor with a motor protector;

directing a flow of lubricant to an area of the submersible motor benefiting from lubrication; and

pressurizing the flow of lubricant with a gear pump; and

locating the gear pump above a rotor of the submersible motor.

D
25. (Original) The method as recited in claim 24, wherein directing comprises directing the flow of lubricant to a bearing.

C
26. (Original) The method as recited in claim 25, wherein directing comprises directing a flow of oil.

27. (Original) The method as recited in claim 24, wherein directing comprises directing the flow of lubricant along a conduit formed in a motor shaft.

28. (Canceled)

29. (Currently amended) The method as recited in claim 24 28, further comprising combining the submersible motor with a submersible pump.

30. (Canceled)

31. (Canceled)

32. (Canceled)

33. (Canceled)

34. (Canceled)